

How to Create and Apply User Objects for VPN Users

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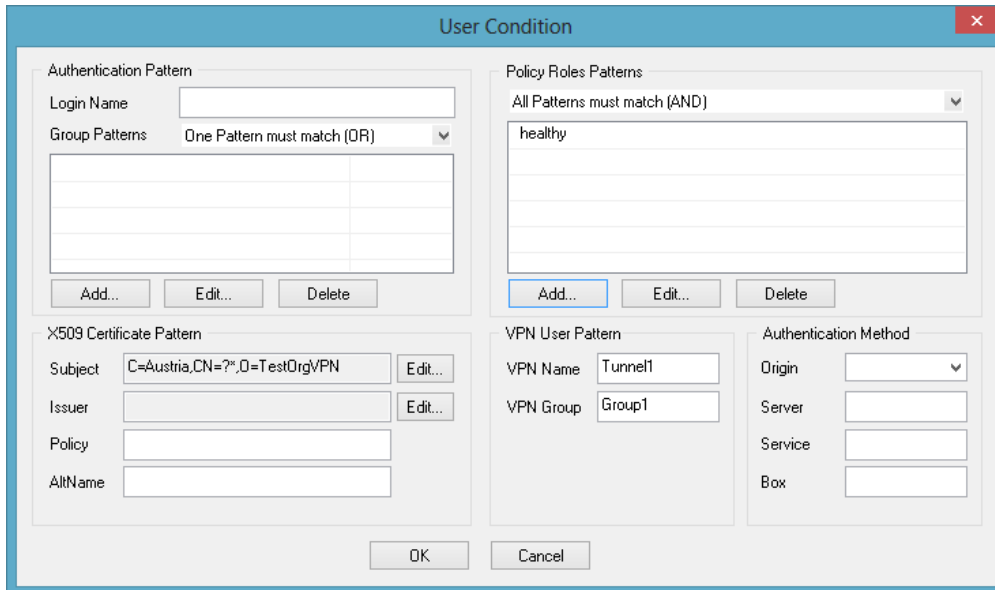
In user objects, you can enter either X.509 certificate patterns or VPN user patterns to reference VPN users and groups. With use of the [Barracuda Network Access Client](#), you can also reference users by policy role patterns.

Combining fields is also possible. For example, you can enforce a VPN connection, by entering required VPN user patterns and require a matching X.509 certificate to be installed in the browser application by entering required X.509 certificate patterns.

Create a User Object for VPN Users

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Firewall > Forwarding Rules**.
2. Click **Lock**.
3. In the left menu, select **Users and Groups**.
4. Right-click the table and select **New**.
5. In the **Edit/Create User Object** window, enter a **Name** for the user object. E.g., VPN Users
6. Click **New** to add a user condition. The **User Condition** window opens.
7. If you are using the [Barracuda Network Access Client](#), enter the policy roles patterns in the **Policy Roles Patterns** section.
 1. Select the required condition from the list.
 2. Click **Add** and select one or more patterns. If a condition must not apply, select the **Negative Match** check box.
8. To use a certificate, click **Edit** in the **X509 Certificate Pattern** section and specify the certificate conditions:
 - **Subject/Issuer** – The subject/issuer of the affected X.509 certificate.

If multiple subject parts (key value pairs) are required, separate them with / (for example, OU=test1 and OU=test2 are required, select OU and enter test1/test2). Using wildcards (?, *) is allowed. Take into consideration that order is mandatory.
 - **Policy/AltName** – The ISO number and the SubjectAltName according to the certificate.
9. If applicable, enter the required VPN login and group policy the object has to apply to in the **VPN User Pattern** section:
 - **VPN Name** – The required VPN login name. Using wildcards (?, *) is allowed.
 - **VPN Group** – The required VPN group policy that the object has to apply to.
 - **Authentication Method** – In this section, you can specify the following settings:
 - **Origin** – Defines the type of originator (see [User Objects](#)).
 - **Server/Service/Box** – Allows enforcing authentication on a certain server/service/box.



The 'User Condition' dialog box is shown with the following fields and controls:

- Authentication Pattern:** Login Name (text field), Group Patterns (One Pattern must match (OR) dropdown), and a table with 2 columns and 4 rows. Below the table are 'Add...', 'Edit...', and 'Delete' buttons.
- Policy Roles Patterns:** All Patterns must match (AND) dropdown, a list containing 'healthy', and 'Add...', 'Edit...', and 'Delete' buttons.
- X509 Certificate Pattern:** Subject (C=Austria,CN=?*,O=TestOrgVPN), Issuer, Policy, and AltName (all text fields). Each has an 'Edit...' button.
- VPN User Pattern:** VPN Name (Tunnel1) and VPN Group (Group1) text fields.
- Authentication Method:** Origin (dropdown), Server, Service, and Box (all text fields).
- At the bottom are 'OK' and 'Cancel' buttons.

10. Click **OK**.
11. After you specify the conditions for all of the users that you want to include in this object, click **OK** to create the user object.
12. Click **Send Changes** and **Activate**.

If you are using Offline Authentication, ensure that user-specific rules are sequenced after the fwauth rule. For more information, see [How to Configure Offline Firewall Authentication](#).

Apply a User Object to an Access Rule

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Firewall > Forwarding Rules**.
2. Click **Lock**.
3. Edit the access rule that you want to apply the user object to.
4. From the **Authenticated User** list, select the user object.
5. Click **OK**.
6. Click **Send Changes** and **Activate**.

Figures

1. VPN_user_object.png

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